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Arm Roy

QUALITY

Orchids

ARMACOST & ROYSTON, INC.

Los Angeles, Calif

In 1912

Walter Armacost & Co. received their first importation of the finest orchid plants available.

These were to become the antecedents from which was developed the famous ARM-ROY strain.

Such crosses as C. Santa Monica, Lc. Massasoit and Blc. Afterglow soon became renowned and were sought after by commercial growers and hobbyists alike to form the nucleus for their collections.

Shipments from one crate to one carload were sent to all parts of the country and by 1930 ARMACOST & ROYSTON, INC. had become the

"LARGEST BREEDERS OF ORCHIDS IN AMERICA"



In 1952

Drawing from our experience of the past and from faithful study of ancient and modern genetics, we PLEDGE ourselves, with CONFIDENCE

to still higher breeding standards

to exhaustive research insuring improved cultural methods

to cordiality and service towards our ever-increasing clientele

to modern packing and shipping techniques

so that ARMACOST & ROYSTON, INC. will retain their leadership as the



ARMACOST & ROYSTON, INC.

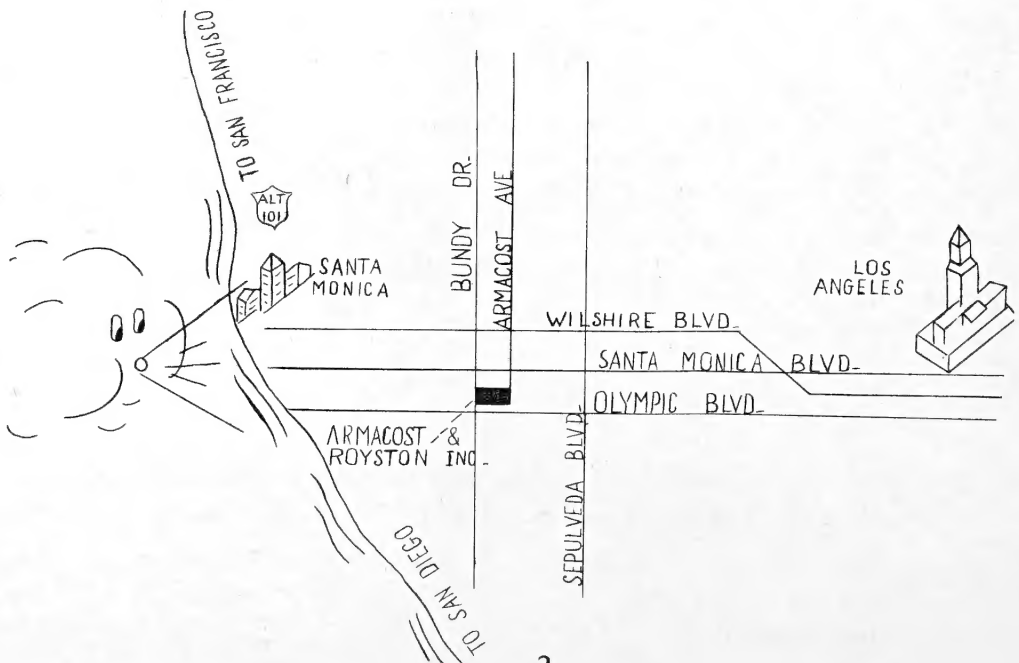
2005 Armacost Avenue
LOS ANGELES 25, CALIFORNIA



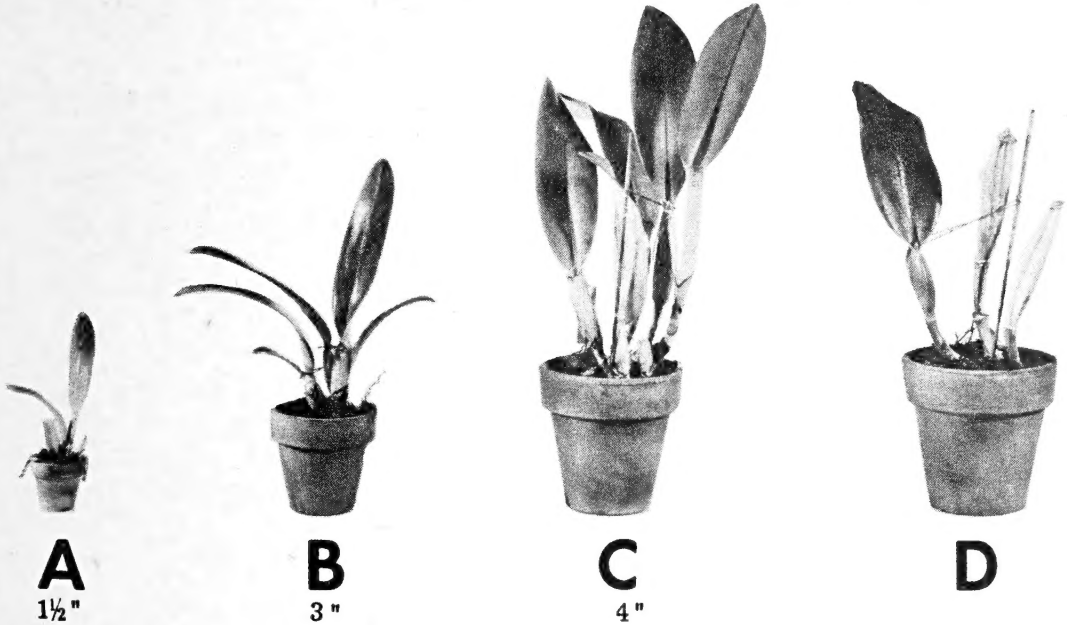
Arm-Roy quality is the result of our constantly striving to improve techniques well known to us, at the same time experimenting with all the materials and information accumulated by us over our thirty years of hybridizing Orchids. You are assured of receiving superior plants when you place your orders with **ARMACOST AND ROYSTON, INC.**

As the popularity of Orchid growing as a hobby increased, a multitude of plants became available to the public. Plants from parents of questionable quality could be found on every hand, at any price. Many newcomers, after patiently growing them on, flowered such plants with disappointing results. The new enthusiast should interest himself in growing the newer hybrids - ones which when flowered will compliment the grower, giving him the full measure of enjoyment which is rightfully his. Varieties of Cattleyas which will bloom during different seasons of the year should be purchased so that most of the year you will have a plant in bloom. We often hear 'I will buy a few inexpensive plants to learn on.' a few dollars 'saved' when buying your first plants is not saved, it is spent when you consider your plants as a property which may someday - through no choice of your own - be turned into cash. Choose plants of top quality at the start. The confidence to make such a choice comes when you learn that thousands of amateur growers without any more previous experience than yourself, are enjoying success with their plants. You too can grow Orchids!

Be sure to include a visit to our nursery in your plans for your next trip to Southern California. You are always welcome! Our regular hours are 8-12, 1-4:30 Monday through Friday; Saturday from 8:00 A.M. to 12:00 M. During the spring we will be open Saturday afternoons and Sundays in addition to our regular hours.



HOW WE PRICE *Arm-Roy* CATTLEYA ORCHID PLANTS



2 years old 3-4 years old 5-7 years old back bulb division

Plants listed in the catalog are priced according to the size of pot A. B. C., and variety - out of flower. The newer crosses are listed in the smaller sizes while the older ones are shown in the larger sizes. Generally speaking, a plant will be mature enough to flower when it has reached 4" size.

We have small quantities of many of the older varieties of Cattleyas available. Your correspondence is invited should you desire some plant which is not included in our list.

SEMI STUD

Choice varieties and fine forms are priced according to individual merit. Such plants we classify as semi-stud plants and are available in flowering size from \$45.00 up. The additional cost of the plants in this group is reasonable when you know that they have been individually selected when in flower, and have been graded and priced according to size, form and color.

BACK BULBS

Back bulb divisions (D) of our best crosses are offered periodically. Such divisions can usually be expected to flower in two years. Those collectors who are particularly interested in Back Bulb divisions are requested to write to us, so that their names can be placed on our "special back bulb list".

Cattleya Cultural Notes

In training personnel in Orchid Culture and giving cultural advice to amateurs over the years, I have found that the first and most important step is to convince the student that the task before him is not, in reality a difficult one, and to assure him that his worst and most aggressive enemy is fear and uncertainty. A good rule in Orchid Culture is "when you don't know what to do, do nothing." The fact that one has become interested in Orchids proves that one has growing instincts and in most cases as far as the amateur is concerned, the few visits he makes to the Orchid nursery to select his plants will provide him with a good working knowledge of the subject in a matter of days. Of course, he will improve his methods as long as he lives and most Orchid growers live a very long time. So, the first and most important task is to relax and allow ones self to become in harmony with the subjects of his hobby. These cultural notes could very well end right here, but Orchid people - both amateur and professional - love to talk and read shop, so let's get down to business.

The first question most people ask is what kind of enclosure do I need? Years ago we used to answer this question by describing a structure that was so prim and proper - or so cold and forboding - that the beginner felt half defeated before he started his collection. It has been proved by thousands of amateurs that Orchids may be grown in such a wide variation of enclosures that they defy listing; so build the kind of enclosure that you feel you can afford but remember that your collection will grow and it is cheaper to build a place large enough than it is to make additions afterwards. Choose a location as near as possible free from shade of your house and trees and those of your neighbors, for in such a location you will stand the best chance of providing the degree of shade that fits the growing methods you choose to employ. The amount of shade needed has been described in many ways. I like to describe it as a degree of shade that will be relaxing without being depressing to the average human being; or, if one likes to be quoted figures, 800 foot candles in summer and from 1000 to 1500 in winter. That's about the same degree of shade that you notice people growing ferns or African violets in, isn't it? In cool, damp climates one may use more sunlight than in hot, dry ones. You'll soon determine that for yourself and be telling the experts how before you know it.

Temperature frightens a lot of people, but providing it does not get out of hand either way - up or down - it should be the least of your worries. The ideal seems to be near 84° mid-day on

bright days in summer in most parts of the country, and near 65° at night. This is a safe temperature for California through the year. In the Northern and Eastern states, winter temperature may range from 65° to 75° mid-day and in the low 50's at night. Some growers have good luck with even lower temperatures, and if you are one of them so much the better. The important thing to remember is that if the day temperature is low then that at night should be lower; if the day is warm then the night temperature should be up a little. A good guide for humidity is that an Orchid house should be comfortable to people all the time they are walking in it, but if one stands still for a few minutes, they should perspire a little. Quoting figures again, from 50 to 70% relative humidity in day time, and as far below 100% at night as is possible without using a lot of artificial heat. With this much information, the problem of ventilation is solved before it arises.

The subject of when to water and when to withhold water from the growing media of Orchid Plants has been a much mooted question for many years gone by, so the best that one could hope for in any set of cultural instructions would be to accomplish some alleviation of the fear of attacking this task. The degree of dryness the growing media should reach before water is applied to it may be determined in many ways; by hefting the pot and determining the dryness by weight, or lifting it up completely and looking at the crotch at the bottom of the pot, and if this looks dry, water and if not, **LEAVE IT ALONE!!!** Forget about it! Never inspect the same pot twice in one day for dryness. Look at it and enjoy it, sponge the leaves, look for bugs if you will, but forget about watering for at least four days after one inspection. Be careful with big pots ... 5½" and 6" ... water them two or three days after you think they need it. To a certain extent, Cattleyas are camels. There is a little trick invented by one of our local amateurs for determining the dryness. She used a bridge pencil, sharpened with a pencil sharpener, pushing it into the growing media and, if on removing it the roughened wood looked moist, she left the plant alone, and if it looked quite dry she watered the plant.

Potting should be demonstrated. The only advice I would give is to pot your plants firmly and at the first sign of satisfaction that you have done a good job, leave it alone. Don't poke it, jab it, or feel it, or worry about it. Most people do a good potting job and then spoil it by a few extra touches here and there. We hear a lot about growing mixtures these days. No doubt they all have their merits, but we feel that osmunda is the safest and cheapest in the long run. A spraying program every month or so with one of the commercial Orchid sprays will provide adequate pest control.

These notes are basically for Cattleyas, but thousands of amateurs throughout the nation have demonstrated that Cypripediums, Phalaenopsis, Dendrobiums and many other Orchids and other plants will grow side by side under conditions similar to these described here.

We hear a lot about light control, temperature control, and lots of other controls.....all of them are important, but most important of all is *Self Control!!*

VARIETY	SIZE	PRICE
3264 C. REMY CHOLET (C. Trianae, Emperor A.M. x C. Monarch) An improved form of a world famous hybrid in medium to deep lavender tones. A strong, free flowering strain to fill your winter and spring needs.	4½" 5"	\$12.50 15.00
3452 C. HEYDAY (C. Profusion x C. Prospector) Considerable variation in color and form but some unusually fine types have appeared among the seedlings which have sold at premium prices. Season is winter and spring but is variable.	4½" 5"	\$15.00 17.50
3534 C. ENKIDU (C. Dupreana x C. Profusion) An exceedingly good cut flower subject resembling Dupreana but slightly lighter lavender. A very wide flowering range, February through October.	4½" 5"	\$15.00 17.50
3568 LC. CANTABILE ALBA (Lc. Fascinator-Mossiae alba x C. gigas, F.M. Beyrodt F.C.C.) Exceedingly free flowering alba blooming in the winter pre- dominantly but somewhat variable. Flowers are large. Heavy white sepals and petals with solid crimson-purple lip with yellow throat.	4½" 5"	\$12.50 15.00
3619 C. EPICURE ALBA (C. Brussels alba x C. Dowiana aurea) Ivory sepals and petals. Crimson-purple lip which is heavily veined with gold and some gold area in the throat. A free flowering spring and summer bloomer.	5"	\$17.50
3621 LC. BURDINE JOHNSON (Lc. Hassallii alba x C. Fabianid alba) A strong growing, free flowering white with colored lip. The flowers are large, of good shape; spring and summer predominate as to season but is variable.	5"	\$17.50
3754 LC. RAVENSWOOD (Lc. Morvyth Magnifica x C. Ardentissima) A hybrid surpassing the high degree of excellence of its two famous parents producing deep lavender flowers of exhibition quality for the fall and winter season.	4" 5"	\$12.50 17.50
3803 C. ALTOS (C. Trimos x C. Athena) A few have bloomed and confirm our expectations of an unusually free winter and spring bloomer of good size and color.	4" 4½"	\$10.00 12.50
3804 C. LEGATE (C. Diplomat x C. Athena) An exceptionally free grower giving rich lavender flowers with bright yellow gold veining in the throat. Exceptional size, form and stem length. For the Christmas Season.	4" 4½"	\$10.00 12.50
3805 C. ACOMA (C. Remy Cholet x C. Athena) This should prove an excellent commercial winter and spring blooming variety. Somewhat richer in color than the above.	4" 4½"	\$12.50 15.00
3806 C. BONANZA (C. Prospector x C. Athena) This cross has great possibilities as a winter bloomer.	4"	\$12.50
3832 LC. LOS ANGELES (Lc. S. J. Bracey x Lc. Golden West) Another speculative yellow hybrid but it should produce some very pleasing color tones. Great interest has been shown in this cross. Sales have been heavy.	3½" 4"	\$10.00 12.50

VARIETY		SIZE	PRICE
3844 C. DOUSABEL (C. Luegeae alba x C. Amabilis alba)	4"	\$12.50	
The few that have bloomed have had particularly fine form and texture with a prettily marked purple lip. No fixed season as yet.	4½"	15.00	
3846 LC. PARIZADE (C. Luegeae alba x Lc. Hassallii alba) . . .	4½"	\$15.00	
All we have seen flower give promise of a brightly lipped alba of good size.			
3847 LC. ABIGAIL B ANDERSON (C. Peetersii x Lc. Princess Margaret)	4½"	\$15.00	
Parents involved in this cross are superb. Season so far seems to be fall. We highly recommend this for cut flower purposes.	5"	17.50	
3900 C. KITTIWAKE (C. Luegeae alba x C. Brussels alba)	4½"	\$17.50	
Has earned a creditable reputation displaying well shaped flowers with pure white sepals and petals and a rich lavender lip with refreshing yellow area. A free flowering fall variety.	5"	20.00	
3919 C. ROSE ANDRADE (C. Edithiae, White Empress F.C.C. x C. Bebe White)	4"	\$15.00	
All that have bloomed show great promise for a winter flowering white of good size, form and free flowering quality.	4½"	17.50	
3921 C. MT. SHASTA (C. Estelle alba, very fine variety x C. Bebe White)	4"	\$15.00	
This cross has fully lived up to our expectations. It is large, has good substance and texture. We are confident that it will produce history making stud stock. Indications are that its season will be winter and early spring.	4½"	17.50	
3922 C. WHITE SAIL (C. Olive Pierson x C. Bebe White)	4½"	\$17.50	
This cross is large and heavy textured; clean, solid white with much less yellow in the throat than the average white.	5"	20.00	
3928 LC. SUSAN MC ASHAN (C. gigas, F.M. Beyrodt, F.C.C. x Lc. British Queen alba)	4½"	\$12.50	
An exceptional cut flower subject with large well shaped flowers, white sepals and petals and lavender variegated lip with yellow area in the throat. The season is spring predominantly but we seem to have flowers from them most of the year.	5"	15.00	
3931 C. ALICE BELDING (C. Mary Chilton alba x C. Vivian alba) .	4½"	\$15.00	
A clear white with bright solid purple lip. Predominantly summer.	5"	17.50	
3932 C. SERENITY (C. Trianae, Edgar Knight x C. Santa Monica, Goliath)	4½"	\$17.50	
A spectacular Cattleya, it gives very freely large flowers of fine texture and wonderful proportions. The sepals and petals are lavender to rose with dark lip. It should and does make a wonderful parent. Blooms during the winter season.			
3958 LC. GOLDEN BEAUTY, A.M. X BLC. NANETTE ALBA	4"	\$12.50	
While an extremely speculative cross, this Brassocattleya should have fine form and substance in various tones of lavender - some have slight yellow bronze tinge.			

VARIETY	SIZE	PRICE
3974 LC. PATRIARCH (C. Tityus var. Patriarch x Lc. Hyperion) . . . We have flowered a few of this cross and all have proved fine exhibition quality. The size, shape, substance, intense color and glorious yellow-gold markings in the throat almost defy exaggeration. It is a very clean grower and the season seems to be winter.	3½" 4"	\$12.50 15.00
3983 C. SERENITY X LC. INTEGRITY VAR. STEADFAST This mating of two famous parents should provide a winter hybrid in medium rich lavender tones and pronounced yellow gold veining in the throat.	3½"	\$10.00
4018 C. MIRAMAR (C. Prospector x C. Santa Monica var. Goliath) . . Here is a mating of two of the finest winter blooming Cattleyas we know. C. Santa Monica var. Goliath has tremendous substance and shape and C. Prospector is to our mind the most profitable cut flower Cattleya yet raised. This cross should prove extremely worthwhile.	4"	\$17.50
4026 C. EDITHIAE (C. Suzanne Hye alba x C. Trianae alba, Broomhill var.) It may be possible to make C. Edithiae with finer parents but we doubt it. The seedlings offered are extremely well bred and, of course, C. Edithiae is a fine winter pure white Cattleya of very fine quality.	4"	\$12.50
4027 C. MT. RAINIER (C. Estelle alba x C. Trianae alba, Broomhill var.) Free growing white with little, if any, yellow in throat. Winter blooming.	4"	\$15.00
4043 C. MOSSIAE REINECKIANA X C. NUTLEY ALBA Compact, free growing Alba. Of pleasing size and shape, the lip is reminiscent of a very fine form of Reineckiana. Season should be predominantly spring but variable.	4"	\$12.50
4050 C. BRUSSELS (C. Harold x C. Mossiae) (Colored type) This will undoubtedly prove a free flowering Cattleya with an extended season. The sepals and petals should be medium to light lavender with a deeper lip.	4" 4½"	\$10.00 12.50
4051 BC. DEL ROSA (B. Digbyana x C. Suzanne Hye, grandiflora) . . Should produce a fine, large Brassocattleya hybrid. Color ranging from white to lavender-pink. Bred from the famous C. Suzanne Hye, grandiflora whose unusual size and tremendous lip are well known.	4"	\$12.50
4052 C. EMPRESS FREDERICK ALBA (C. Mossiae Reineckiana x C. Dowiana aurea) The breeding of the finest Mossiae Reineckiana we know of to a very fine Dowiana aurea should provide an exceedingly fine alba form of this well known Cattleya.	4" 4½"	\$10.00 12.50
4055 LC. SCHRODERAE ALBA X C. BRUSSELS ALBA Unflowered but should produce an alba of great merit. We have confidence in this cross, both parents involved being unusually fine forms. Season likely to be fall and winter.	4"	\$10.00
4078 LC. NEVADA (Lc. Peter the Great x C. Enid alba) Lc. Peter the Great is probably the freest flowering alba in existence. As many as eleven flowers to the spray. The fine C. Enid alba used in this cross should add size and form. Season variable.	4"	\$12.50

VARIETY	SIZE	PRICE
4084 C. REMY CHOLET X LC. INTEGRITY VAR. STEADFAST This is, of course, unflowered as yet but we look for a fine winter and spring bloomer of excellent substance and rich color.	4"	\$15.00
4085 LC. ESCONDIDO (C. Enid x Lc. Integrity v. Steadfast) We are always inclined to be enthusiastic when Lc. Integrity is used as a parent, but we will stay within our custom of understatement and just highly recommend this as being good speculation.	4"	\$15.00
4124 LC. SANDRA OZZELLA (Lc. S. J. Bracey x C. Dowiana aurea) . We recommend this as a most interesting hybrid from Lc. S. J. Bracey, producing flowers from green-yellow to deep bronze with red lips.	3" 4"	\$10.00 15.00
4126 LC. DULZURA (C. Harold alba x Lc. Canhamiana alba) Remake of this popular cross. It is a distinct improvement of Canhamiana alba both as to size and quality of flower. It sometimes flowers with a pleasing lavender over-flush. This is an easy grower, flowering in the spring season.	4" 4½"	\$12.50 15.00
4133 C. SERENITY X BLC. J. K. LILLY A most interesting cross as both parents are superb in shape, substance and color. We consider both of these parents among our best hybrids and anticipate progeny from them with great interest.	3" 4"	\$10.00 15.00
4140 C. MAGGIE RAPHAEL (C. Trianae, Imperator A.M. x C. Dowiana aurea) Trianae, Imperator was the parent of the finest strain of Maggie Raphael. The aurea used here was one of our own home-raised specialties. Late fall and winter.	3½" 4"	\$10.00 12.50
4141 C. GERAINT (C. Fabianid x C. Remy Cholet var. Vivicans) . . As one would expect from the parentage the plant is a very easy grower of compact size bearing rich lavender flowers with an intense dark lip carried on a stem of above average length. C. Geraint definitely flowers on the high priced winter market.	4"	\$12.50
4142 LC. CUESTA X C. TRIANAE, IMPERATOR A.M. Lc. Cuesta is a famous, dark, mid-winter flowering hybrid. A speculative mid-winter flowering cross.	3"	\$ 7.50
4145 LC. PASADENA X BLC. J. K. LILLY Pasadena is a hybrid from Lustre and Trianae; J. K. Lilly, from Titymoma var. Roundhead. Color in both parents and outstanding vigor in Pasadena. A hybrid to bank on.	3½"	\$10.00
4196 C. ANN SANDER X LC. EMINENCE Should produce large, well rounded flowers of medium lavender with darker lip. Season winter to spring.	3"	\$ 7.50
4203 C. ESTELLE ALBA X (BLC. SNOWDON X BC. HEATONENSIS) . . This should produce a Brassocattleya blooming in the winter time. With enough of the Brassocattleya left to give large, beautiful lips. Estelle supplying substance and shape. Color speculative.	3"	\$ 7.50
4204 C. LUEGEAE ALBA (C. Enid alba x C. Dowiana aurea) This is a repetition of our fine strain of Luegeae alba which is so well known.	3" 3½"	\$ 7.50 10.00

VARIETY	SIZE	PRICE
4226 C. BOW BELLS (C. Edithiae, White Empress x C. Suzanne Hye alba)	2"	\$ 3.50
The wide publicity afforded this hybrid leaves little to say here except that we believe our strain to rank with the best and offer it with confidence as a fall and winter flowering pure white of very high merit.		
4264 C. BRUSSELS ALBA X C. LABIATA, GILMOURIAE	3"	\$ 7.50
A combination of perhaps two of the most prolific Cattleyas known fall and winter should be the flowering season.		
4273 LC. KEOKUK VAR. RED CHIEF X C. REMY CHOLET	2"	\$ 3.50
Should prove to be an excellent commercial and exhibition type. Large dark lavender flowers with deeper lips with varying degrees of yellow in the throat. Late winter and early spring should be the season.		
4278 C. MONARCH X C. EMPRESS FREDERICK	2"	\$ 3.50
Definitely a commercial cut flower. Should be free flowering, of good size and substance, dark lavender flowers with rich gold veining in the throat. Season winter and early spring.		
4331 C. VILLE DE LIEGE ALBA X C. AMABILIS ALBA	2"	\$ 3.50
A combination of two of the most popular contemporary albas. Should produce a most pleasing and profitable summer flowering alba.		
4341 LC. WINEMA X C. HAROLD ALBA	2"	\$3.50
A vigorous grower, Winema combined with C. Harold alba should prove to be a very worth while alba for the summer and fall season.		
4390 C. WHITE CLOUD VAR. MAJESTIC X C. CLEMENTINE GOLDFARB .	2"	\$ 3.50
Unflowered as yet but the appearance of the plants and the history of its parents should assure one that this will prove a most worth while pure white.	2½"	5.00
4415 LC. PRIAM X L. TENEBROSA	2½"	\$ 5.00
Cluster hybrid of speculative color. Season summer and fall.		
4417 C. PORCIA X LC. PRIAM	2"	\$ 3.50
Should prove to be a vigorous growing hybrid producing large clusters of small flowers. Medium shade of lavender with darker lips. Season summer and fall.	3"	7.50
4420 LC. ELISSA, GLORIOSA X C. TITYUS, PATRIARCH	2½"	\$ 5.00
A winter flowering combination that should prove an excellent commercial and some exhibition forms. Dark colors with rich yellow veined throats.	3"	7.50
4439 LC. INTEGRITY X BC. HARTLAND	2"	\$ 3.50
Many exhibition specimens should result from the mating of these famous hybrids, with intense colors prevailing. Season mostly winter but variable.	2½"	5.00
4506 C. HARDYANA, GRANDIFLORA X C. PROSPECTOR	2"	\$ 3.50
Many exhibition quality subjects should result. Mostly intense lavenders with rich gold-yellow veining in the throat. Season early to mid-winter.	2½"	5.00
4513 C. PROSPECTOR X C. DOWIANA AUREA VAR. MAGNIFICENCE . .	2"	\$ 3.50
A darker C. Prospector with perhaps an earlier season.	2½"	5.00

VARIETY	SIZE	PRICE
4572 C. FABIANID (C. Enid fine x C. Fabia W'Birt. var.)	2"	\$ 3.50
This is a remake of an old favorite well known for its vigor and free growing qualities. The flowers are medium lavender tones with a rich Fabia-like lip. Season late summer and fall.		
4575 LC. MORVYTH MAGNIFICA X C. PEETERSII VERY FINE	2"	\$ 3.50
The history of these two famous hybrids as breeders is so universally known that further description is not necessary. Season variable but predominantly summer and fall.		
	2½"	5.00
4602 LC. CUESTA (Lc. Marie Dobrott x Lc. Cavalese, Integrity)	2"	\$ 3.50
This is a remake of this famous hybrid. Its season is definitely winter.		
4610 LC. PRINCESS MARGARET X LC. BALKIS	2"	\$ 3.50
Princess Margaret has a history of breeding fine hybrids. We are confident that this one will be no exception to the rule. Season variable - probably summer and fall.		
	2½"	5.00
4619 SLC. JARVISBROOK X C. PROFUSION	2"	\$ 3.50
This is a speculative cross. We expect novelties of variable season.		
	3"	7.50
4620 BC. SCHILLIANA (C. Mossiae Wagneri x Bc. Veitchii v. Queen Alexandra, F.C.C.)	2½"	\$ 5.00
Bc. Schilliana is a very good Brasso...a refreshing sight in any collection. It is a large, well shaped flower, petals and sepals are of a delicate pastel with a brilliant band of rich lavender on the lip. The throat is pleasantly greenish-yellow; as most well grown Brassos the season is variable.		
	3"	7.50
4621 C. GRANULOSA X LC. SOMABROSA	1½"	\$ 1.75
Should produce novelties. Blooming season unknown.		
	2"	3.50
4622 LC. ELEGANS X C. ALTESSE	2"	\$ 3.50
Definitely a collectors item. The name Elegans is a term of convenience having no true genetic value. It appears in a wide variety of colors from near reds to white. Its combination with a more conservative hybrid leaves a lot to the imagination as to form, color and flowering season.		
4623 C. VILLE DE LIEGE ALBA X C. LUEGEAE ALBA	2"	\$ 3.50
Free flowering variety which should produce a very finely cut alba with a richly colored lip. Season variable.		
4624 C. CONCINNITY X C. WHITE CLOUD	1½"	\$ 1.75
We expect this cross to produce pure white blooms of medium size and good substance. Season unknown.		
4658 C. FAMOSA (C. Remy Cholet x C. Tityus, Patriarch)	1½"	\$ 1.75
We are proud to present this re-creation of a truly wonderful Arm-Roy origination, exquisitely formed sponsoring lavender, purple and gold in lavish perfection for the winter and spring cut flower market and exhibition.		
	2"	3.50
4680 C. CONCINNITY X L. PURPURATA ALBA PLENA	1½"	\$ 1.75
A speculative cross with expectation of some pleasing novelties for late spring.		
	2"	3.50
4683 C. MOSSIAE WAGNERI X C. MOSSIAE WAGNERI	1½"	\$ 1.75
The value of this famous pure white Cattleya will remain a tradition in the Orchid world long after many great varieties are forgotten. Season May and June.		

VARIETY	SIZE	PRICE
4693 C. EUCHARIS X C. WARNERI ALBA	1½"	\$ 1.75
We have been pleasantly surprised by similar combinations in the past and hope that lady luck will smile on this cross. Season should be mid-spring.	2"	3.50
4716 LC. DOROTHY FRIED X C. ENID, VERY FINE	1½"	\$ 1.75
The Arm-Roy strain of C. Enid contributed largely to the fame of our organization. Its combination with spectacular Arm-Roy creation Lc. Dorothy Fried is indeed a happy one and we are very impatient to see the results. Flowering season variable.	2"	3.50
4723 LC. MRS. HAROLD LLOYD X C. DUPREANA	2½"	\$ 5.00
Any cross employing C. Dupreana must, of necessity, be speculative but many have produced fine forms. We expect a variable season.		
4724 LC. PROSPERITY X C. ENID	1½"	\$ 1.75
Both parents are rich in lavender and golden yellow, freely giving flowers of size, substance and quality. Variable season.	2½"	5.00
4726 C. LUEGEAE ALBA X C. DOWIANA AUREA	1½"	\$ 1.75
We anticipate an alba similar to Luegeae, but of superior form for the summer season.		
4747 C. TRIUMPHANS X LC. S. J. BRACEY	3"	\$10.00
Symbolic of the name of one of its parents this cross is in truth a triumph in breeding. Yellow with lavender lip for the summer market.	3½"	12.50
4755 L. PURPURATA SCHRODERAE X C. ARDMORE ALBA	1½"	\$ 1.75
A vigorous grower. We expect an abundance of quality albas for late spring market.	2½"	5.00
4771 LC. INTEGRITY, STEADFAST X LC. SAVITAR	1½"	\$ 1.75
When two such famous Arm-Roy originations are combined, the results can only be magnificent flowers for exhibition and for the winter and spring market.	2"	3.50
4810 C. DUPREANA X C. DUPREANA	1½"	\$ 1.75
The fame of this hybrid is widely known. We used two of our best in this combination. Season spring.		

Cypripedium Cultural Notes

Orchids like each other

Contrary to popular belief, a wide variety of orchids will grow in the same enclosure. Cypripediums and Cattleyas are particularly good neighbors and most varieties will thrive under the same conditions. About the only difference is that you should water Cypripediums the same day you make up your mind that they need it or the next day. Don't wait until the day after. If space is available and the budget allows a separate enclosure, there are a few fancy touches that Cypripediums will enjoy. As with Cattleyas, Cypripediums have been grown by amateurs in a wide variety of growing media-sand, gravel, haydite and composts. At Armacost and Royston we have adopted osmundine as a standard medium for growing all varieties of Cypripediums. Pot your plants slightly less firm than you would Cattleyas but keep the grain of the peat as near as possible vertical. Cypripediums enjoy quite heavy shade after potting and a moist atmosphere. After they are established a light intensity of near 600 foot candles through the growing season and near 1,000 foot candles (which would be about the same as one would use for ferns, azaleas, camellias, etc.) in the shorter days is a safe range. Day temperature in California will run into the high nineties without damage but where possible 68° to 80° is better. Where low day temperatures are available a night temperature of 50° to 55° or even lower if much "fire" heat is necessary to maintain it. In warmer realms 60° or a few degrees above is beneficial. Don't be afraid to let your Cypripediums dry at the roots for a short period, then water them thoroughly. Cypripediums enjoy a free circulation of air, but remember to keep the relative humidity as near 60% as possible. If your plants have good root systems a light spray overhead will do no harm but it is better to let them dry before nightfall. The warm growing whites and mottled leaf varieties may be handled as other types but prefer a temperature five to eight degrees higher.

Cypripedium prices quoted in our catalog are based on flowering size plants in four inch pots.



LEEANUM variety CLINKABERRYANUM,
A.M. R.H.S.
(insigne x Spicerianum)

Here we see the beauty and charm typical of this type of *Cypripedium*. Its delicate coloring in petals and pouch combine with a light green dorsal which is daintly spotted and ruffled with an alabaster white band. Offered in the inexpensive group, it should be included in every collection.

Plants of similar size to the one shown are offered in flowering size and larger as listed below. Prices shown are for plants of three to four growths.

VARIETY	PRICE
ACTAEUS (insigne x <i>Leeanum</i>)	\$ 7.50
A medium sized <i>Cypripedium</i> with an Indian red pouch. The subdued petals and dorsal combine neutralized tints of russet and apple green and there is a snow-white dorsal trim that fairly glistens.	
ACTAEUS var. LANGLEYENSE , F.C.C.-R.H.S. (insigne <i>Sanderæ</i> x <i>Leeanum</i>)	\$10.00
This well known variety has an upright white dorsal colored but slightly near the base in citron green and graced by a sprinkle of pin-point dots. The petals and pouch repeat the green coloring and add a touch of pale brown.	
ALABASTER (<i>Alcibiades</i> , <i>superbum</i> x <i>Godseffianum</i>)	\$12.50
Medium size. Pouch and petals green fused with purple. Dorsal white with green at base and much light purple spotting.	
ALCIBIADES (<i>Leeanum</i> v. <i>giganteum</i> x <i>M. deCurte</i>)	\$10.00
Petals and pouch green background shaded with mahogany. White dorsal with green at base and much light purple spotting.	
ALCIBIADES var. ILLUSTRIOUS	\$10.00
Medium size. Pouch and petals lumiere green and shaded with mahogany and Corinthian purple. The dorsal is white with apple green base and spotted with plum purple.	
ALCIBIADES var. MAGNIFICUM , F.C.C.-R.H.S	\$10.00
Similar to variety <i>Illustrious</i> but the dorsal is four-fifths white and one-fifth green-brown with minute spots.	
AMBER (<i>Cyclops</i> x <i>nitens</i> - <i>Leeanum</i>).	\$15.00
One of the new hybrids of pleasing amber coloring. Size, form and length of stem are satisfactory also.	
AMY MOORE (insigne x <i>nitens</i>)	\$12.50
Shows strong influence of the <i>insigne</i> parent. Similar to <i>Stadium</i> but slightly smaller.	

VARIETY	PRICE
ANAK (Cyclops x The Duchess)	\$10.00
An older hybrid in the brown tones. Well worthwhile.	
ARBACES (Earl of Tankerville x Nydia)	\$10.00
Medium size. Rich, pleasing color.	
ARCHIE NIELL (Variety of Actaeus)	\$10.00
A medium full dorsal of white, light green and spots of plum purple. The narrow unruffled petals are of light brown and the pouch is Indian Red.	
AUDACITY (Madame Albert Fevrier x Chesham)	\$15.00
The dorsal is white in the upper area, the base yellow, heavily spotted with maroon. The sepals and petals are green, almost entirely shaded with deep maroon.	
AUREUM (nitens x Spicerianum) pale yellow tones	\$ 7.50
AUREUM EXCELSIS Improved form of above	\$ 7.50
AUREUM HYEANUM	\$ 7.50
Clean cut, well-shaped Cypripedium displaying cinnamon brown upper petals and russet pouch contrasted against green-yellow tips, lower petals and sepal. The gay white dorsal veined strongly in apple green is darkened through the center and lower veins by patches of repeated russet.	
AUREUM OEDIPPE	\$ 7.50
AUREUM VIRGINALE	\$ 7.50
AUROBE (aureum v. Oedippe x Niobe)	\$ 7.50
Free flowering hybrid. Round white dorsal veined near the base in apple green. Thin lavender mid-rib. Petals and pouch snuff brown.	
BACH (Lady Phulmoni x Symphony)	\$15.00
A beautiful blending of color.	
BANCHORY (Dickler x Grace Darling)	\$15.00
This is a large bloom with a dorsal veined in green-yellow forming solid coloring almost to the edge and accented by rays of dark sorghum brown springing from the base. The petals and pouch repeat to a less intense degree the same color scheme. It is variable.	
BARONIAL (Shogun x The Baron)	\$17.50
This is a free blooming cypripedium of soft sorghum brown and pale apple green accented by vivid dark Indian red dorsal spots.	
BINGLEYENSE (Charlesworthii x Harrisianum)	\$15.00
This well known variety is free flowering. The pouch and petals soft purple over-laying sorghum brown and the dorsal is white veined with soft plum purple and is greenish brown at the base.	
BRIGHTYES (Earl of Tankerville x Sultan)	\$15.00
Here is a Cypripedium of unusual traits. It shows a partly divided sepal backing a slim waxy Indian red pouch. The petals are spotted closely in russet rendering a checkered look balancing an unusual dorsal on which the large spots fairly protrude and at the top of which a very light touch of plum purple shows through.	

VARIETY	PRICE
CHANTICLEER (Charlesworthii x Atlantis)	\$15.00
Bright red dorsal, petals and pouch apple green overlaid soft rose.	
CORSAIR (Niobe x nitens)	\$10.00
Large size. Brown pouch. Petals brown and yellow-green. The dorsal is yellow-green at the base shading into white and lined with deep purple.	
CORSAIR, HOLFORD'S VAR	\$12.50
Extra large size. Same as Corsair with much richer purple coloring.	
CORSAIR, WESTONBIRT VAR	\$15.00
An improved form of Corsair.	
CROWDERO (Martin x Florence Spencer)	\$25.00
The dorsal is apple green dotted in dark russet. The ruffled petals and narrow pouch are streaked with apple green and light brown.	
DRACO (Hera x insigne)	\$10.00
With almost identical sepal and dorsal this free bloomer offsets with interest a pair of petals and a pouch of plain Indian Red. The dorsal and sepal spots are dark Indian red on fields of apple green and white.	
DRACO VAR. ROYAL OAK	\$15.00
Richer than above.	
DREADNOUGHT (insigne v. Harefield Hall x Troilus)	\$12.50
Of light tones. A well balanced, free blooming Cypripedium in light brown and lumiere green coloring. Heavily spotted, white tipped dorsal.	
FAIRY (Cardinal Mercier x Fairrieantum)	\$10.00
A small flower with very daintily frilled petals. General color of olive brown. Dorsal marked with deep spots.	
FINGAL (Stadium x James O'Brien)	\$10.00
Insigne hybrid of Harefield Hall type but much more full in shape.	
FLORIMEL (Leeanum v. J. Curney Fowler x Alma)	\$15.00
Average size. Dorsal yellow-green with a broad white border. Petals and pouch russet-yellow overflushed with pale green.	
FRANK BUCKLEY (Anita x Ranleigh)	\$15.00
A medium small Cypripedium of apple green with central petal lines of light brown and a fusion of the color springing from the dorsal base.	
GANPATI (Cyclops x Our Prince)	\$10.00
Medium sized, slender. The ruffled petals and pouch are claret brown faintly blended and edged in reed yellow. The white edged dorsal has a background of reed yellow splashed with claret brown.	
GOLDEN FLEECE (insigne v. Sanderae x Antinous)	\$10.00
Similar to, but much larger than insigne Sanderae.	
GOLIATH (insigne v. Harefield Hall x Troilus v. Amy Moore)	\$12.50
A large flower of the Harefield Hall type with a larger, more rounded head.	

GOMOCON (Conference x Gold Mohur)	\$15.00
A beautiful blending of faint yellow-greens and red-browns.	
GRACEFUL (Actaeus x Grace Darling)	\$15.00
This flower is very attractive and makes a very good cut flower. Petals and pouch are bright chartreuse yellow; the large dorsal is white except for a chartreuse area at the base. Strong grower, free flowering.	
HADRIAN (Beacon x Leeannum)	\$15.00
A very good bloomer is Hadrian whose basic color throughout is olive yellow subdued by brighter apple green veins in the slightly spotted dorsal and intensified in the petals and pouch tip, while the upper pouch is Prussian red.	
HANNIBAL (Variety of nitens-leeannum)	\$15.00
A majestic sturdy flower. Bold white and apple green dorsal clearly sets off rays of dark Indian red spots, the latter color is repeated in a lighter tone through petals and pouch. It is an extremely free bloomer.	
HARRISIANUM (barbatum x villosum)	\$ 7.50
A lesser form of the superbum variety.	
HESTIA (Cyclops x Lady Dillon)	\$15.00
Free flowering and large, displaying a soft color scheme. Its dorsal veined somewhat in apple green is graced by many soft plum purple spots becoming almost solid in color towards the center. This is balanced by a large Prussian red pouch and wide petals of a less intense color.	
HODER (Mme. Albert Fevrier x London Scot)	\$15.00
The dorsal has a light green base with dark brown spots. Petals and pouch are brownish-green with a purple cast.	
INSIGNE (species)	\$ 5.00
This plant was first introduced around 1819 and was originally discovered by a Doctor Wallich in Nepal, Northern India. It has been used extensively as a parent because it is so adaptable. There are many fine varieties of this species.	
INSIGNE VAR. HAREFIELD HALL, F.C.C.-R.H.S	\$15.00
The background of this bloom is a yellow-green. The petals are slightly marked with brown and the dorsal has a white border. It is a very large bloom.	
INSIGNE VAR. ROYALTY (spotless)	\$10.00
The entire bloom, with the exception of the white dorsal edge is citron yellow, faintly veined with light lumiere green.	
INSIGNE SANDERAE	\$ 7.50
Entirely yellow-green except for the white border on the dorsal.	
JAMES O'BRIEN (insigne, Harefield Hall x M. deCurte)	\$15.00
Large, well-shaped flower, buff-green with large brown spots and white fringe surrounding the top of the dorsal. Pouch yellow-brown.	
JASPER (Alcibiades x Hitchensiae)	\$15.00
Large size. Light sorghum brown and lumiere green pouch and petals. The dorsal is lumiere green at the base followed by white and marked in brown purple.	

VARIETY	PRICE
JULIET (Mulatto x Swallow)	\$15.00
With pale russet and green-yellow petals completely covered with very dark spots and an equally well spotted dorsal of white and apple green, this average sized bloom possesses an interesting countenance. Pouch is solid russet.	
LATHAMIANUM (Spicerianum x villosum)	\$15.00
Rich in reddish brown tones.	
LEEANUM VAR. CLINKABERRYANUM A.M.-R.H.S. (insigne x Spicerianum) . . .	\$10.00
Medium size. Brownish yellow pouch and petals. The base of the dorsal is cress green with deep white tip flecked with small purple spots.	
LEEANUM VAR. GRATRIXIAE	\$ 7.50
Medium size. Brownish purple pouch. The petals and base of dorsal green-yellow and peppered with purple and shading into white.	
MENCIUS (Hadrian x Shogun)	\$10.00
This cyripedium blooms in varied size and intensity of color, but it is basically mild sorghum brown and green-yellow accented by graduating spots of darker brown. Mencius is a very good bloomer.	
MINOS VEITCHII (Arthurianum x Spicerianum)	\$12.50
Similar to Minos Youngii, but not so full in shape and less definite in color.	
MINOS YOUNGII	\$12.50
This is a very attractive dainty free bloomer. Pouch and petals of warm sepia repeated in vein lines composed of the tiniest dots on the dorsal and inner petals. This well shaped dorsal is white splashed with clear, soft green-yellow.	
MORENO (Cyclops, A.M. x London Scot)	\$15.00
Well shaped flower, buff-green with large brown spots and white fringe surrounding the top of the dorsal. Pouch yellow-brown.	
MRS. F. SANDER (Eve x insigne Sanderæ)	\$ 7.50
Medium sized plant. Purplish pouch and petals faintly edged with amber. Dorsal yellow-green covered with dark slate purple dots and has a white border.	
NERISSA (Maudiae x San Actæus)	\$15.00
This is a lovely butter yellow bloom with apple green veins in the dorsal and a narrow white border.	
NYDIA (Niobe x nitens-Leeanum, Charlesianum)	\$ 7.50
Medium size. The base of the dorsal is yellow-green changing into white and covered with purple marks. The lip and petals are a combination of brown and yellow-green.	
OUR KING (insigne x Niobe)	\$10.00
A small Cyripedium. Apple green is the basic color shaded and dotted mulberry. The dorsal is also spotted and has a white margin.	
PAVLOVA (insigne v. Pavlova x Anita)	\$10.00
Stronlian yellow veined in neutralized apple green plus a white ruffle edge on the dorsal. Good size and shape.	
PETER KANE (Cardinal Mercier x Juliet Page)	\$15.00
A medium sized free bloomer with a white edged purple dorsal becoming more intense towards the base where some apple green peeks through. The petals and pouch of dark Indian red are trimmed in yellow-green.	

VARIETY	PRICE
PRIAM (insigne x Niobe)	\$15.00
Medium size. Yellow-green dorsal with white edge and flecked with purple spots. Petals a mixture of yellow-green and claret brown. Lips is claret brown.	
PUBLICAN (Martin x Lord Wolmer)	\$12.50
Medium sized flower. Greenish-white dorsal heavily spotted with claret red spots. Petals and pouch brownish-red.	
PYRAMUS (Hera, Euryades x Mrs. Wm. Mostyn)	\$15.00
Large bloom. Pouch and petals a combination of mahogany and Nile Green. Dorsal green at base shading to white and heavily spotted with plum purple.	
SAN-ACTAEUS (Actaeus x insigne Sanderae)	\$15.00
This flower is a greenish yellow. The only departure from this color is a snow white border around the dorsal.	
SHILLIANUM (Gowerianum x Rothschildianum)	\$10.00
A free blooming Cypripedium capitalizing on its weirdness for its beauty. Its exaggerated narrow petals of citron green are covered with large, dark spots and are trimmed by many wiry hair-like follicles of the same dark color. The matching dorsal and sepal show a contrast of dark Indian red veins very definitely and symmetrically placed against the white background. The pouch has a narrow long look and is sorghum brown in color.	
SHILLIANUM SUPERBUM	\$15.00
STADIUM (Dreadnought x Troilus)	\$10.00
Stadium is a light colored spotted Cypripedium of sorghum brown and green-yellow tints. It is large and well shaped.	
SUNDOWN (Anak x Lady Dillon)	\$12.50
Large, well-shaped flower, buff-green with large brown spots and white fringe surrounding the top of the dorsal. Pouch yellow-brown.	
THOMPSONII (Calypso x villosum)	\$10.00
Medium sized bloom of olive green and russet tones. The petals are ruffled and the dorsal is predominantly white with purple veins fusing upward at the center.	
TRACYANUM (aureum x Leeaenum giganteum)	\$10.00
Medium size. The dorsal is green, bordered with white and is veined with Hessian brown. The petals and pouch also are of Hessian Brown.	
TROILUS (insigne x nitens)	\$ 7.50
This Cypripedium resembles very much Baronial the difference being only in lighter dorsal spots.	
WILLIAM KIRCH (insigne x Grace Darling)	\$ 7.50
The slender beauty of this Cypripedium captures all the freshness of morning sunshine. The entire bloom is bright Chalcedony yellow, lightly veined with dull yellow green. The white dorsal border gives added charm.	



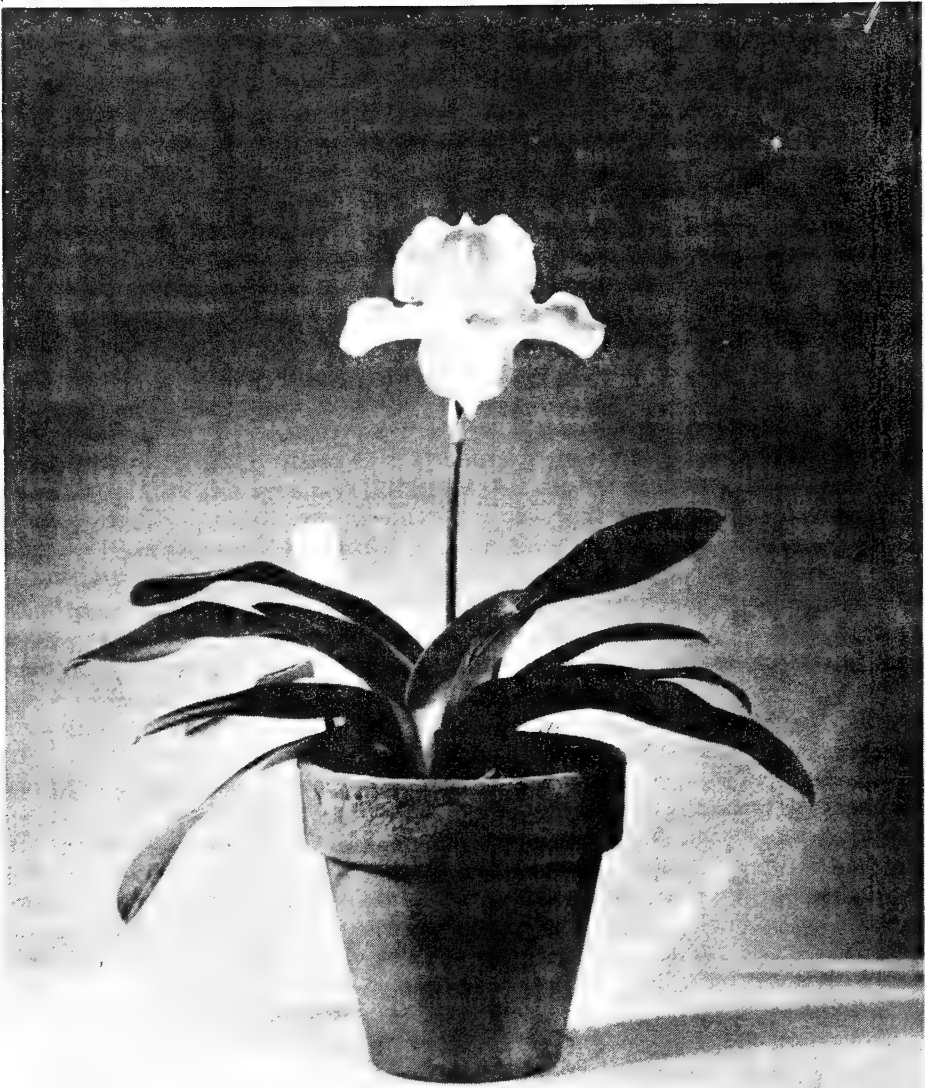
CYPRIPEDIUM - GLENARM
(Thrush x Germaine Opoix)

Cyprripedium GLENARM is typical of the varieties which produce larger, exhibition size flowers. This larger size combined with intriguing color tones make this a plant anyone should be proud to possess.

Plants of similar size to the one shown are offered in flowering size and larger. Prices shown are for plants of two or three growths.

VARIETY	PRICE
ARBACES, FINE VARIETY	\$20.00
Medium size, brownish-yellow pouch. Variable colored dorsal.	
BLENHEIM (Albert Fisher x Warrior, Green's var.)	\$25.00
A very good medium sized Cyprripedium. Dorsal soft apple green with white border with red spots. Petals and pouch russet-green.	
BLUE ORDER (Nancie Gamble x Hestia v. Empress of India)	from \$40.00 up
A large and bold Cyprripedium. One-third of the dorsal is clear white. The lower portion is a fusion of green-yellow with plum purple veins. A brilliant flower and very striking in appearance.	
BORDUBE VAR. EAU DE NIL (Florence Spencer x viridissimum)	\$35.00
This free bloomer of average size displays a green-yellow dorsal with but a faint edge of white and the least suggestion of brown near the base. The pouch and ruffled petals blend softest sorghum brown and pale green-yellow.	
CRESCENT MEADOW (Margaret McCaull x Agnes de Burc)	from \$50.00 up
We are proud of this Arm-Roy recent introduction. Its size and form leave nothing to be desired, and in coloring it is refreshing tones of green and golden amber.	
DESDEMONA, DARK VAR. (Alcibiades x Mrs. Carey Batten)	\$25.00
Large size bloom with dorsal of deep livid brown and marked with green, set off by a wide white border. The petals and pouch are a brownish-olive.	
EURYBIADES (Alcibiades x Hera v. Euryades)	\$25.00
Similar in form to its Alcibiades parent.	
GLENARM (Thrush x Germaine Opoix)	\$20.00
A strong free blooming variety. Dorsal varying from green-claret to heavy red-claret stripes on a background of lavender-pink. The pouch is a heavy chocolate-claret overflushed with green. Petals light brown-maroon.	

VARIETY	PRICE
GUNGA DIN (Alvarado x Cardinal Mercier)	\$20.00
A striking medium bloom of bold coloring. The predominant color of blackish-red purple is found in the pouch and petals and shades upward in the dorsal to violet on white. The pouch is outlined in citron yellow.	
GWEN HANNEN (Christopher x Florence Spencer)	\$25.00
Honey yellow pouch and lighter yellow petals. The dorsal is pure white with a small marking of light green at the base.	
HUGHENDEN (John Henry x T. Abbott)	\$25.00
Medium sized, well shaped, free bloomer. Dorsal white with apple green base and dark spots. Pouch and petals olive-yellow.	
KNOCKANDO (Claymore x John Henry)	\$35.00
This is a beautiful and different Cypridium. The dorsal is creamy white, green veined in the basal portion with a sprinkling of dark spots. Pouch and petals chartreuse shaded sorghum brown.	
LOMA PRIETA (Chrysostom v. Stanley Baldwin x Cyclops, A.M.)	\$20.00
A free bloomer of medium size whose deep brown pouch is outstanding against green-yellow sepals, petals and dorsal. Amply spotted in dark brown.	
MOWGLI (dafforosum x Lady Dillon)	\$20.00
This tall Cypridium is of the green shades. Pouch and petals are spotted with brown and the dorsal is edged in white and spotted with brown.	
NENA (Christopher x Senator)	\$35.00
Greenish-brown pouch and petals brown edged in green. Dorsal yellow-green with white border and large purple spots.	
RUBY (Mulatto x Muriel II)	\$25.00
Medium sized. The pouch is red while the petals are a light sorghum brown marked with green and dotted with a dark mineral red. The dorsal is white and marked with mineral red.	
SANTA CLAUS (Atlantis x Cappamagna)	\$35.00
This gay Cypridium has petals and dorsal of light mahogany edged in amber. The dorsal is white and quite heavily veined with claret.	
SCIPIO (Monsieur de Curte x nitens)	\$25.00
Large flower. The upper portion of the dorsal is white shaded pink with some spotting. The lower portion is bright green and is more heavily spotted. Pouch and petals are soft purple on a chartreuse base.	
SPEEN (Gertrude West x Atlantis)	\$35.00
This is a very large waxy looking Cypridium. The pouch and petals are brownish-purple edged in amber. The dorsal base a very deep purple specked with yellow-green and changing to a lighter purple and finally fading to white.	
VASHTI (Variety of Lord Wolmer)	\$20.00
Medium size bloom. The pouch and petals are purple edged in green. Dorsal is white with some light green at base and peppered with Aconite violet dots.	



C Y P R I P E D I U M R O S Y D A W N

(Gwen Hannen album x Astarte)

One of the finest white *Cypripediums*, Rosy Dawn is amply proportioned and well balanced. This hybrid is porcelain white, exquisitely tinged with the palest of blush. There are slight rose dots at the base of the sepals and petals and the pouch is white with a delicate pink flush. A most attractive, graceful flower, Rosy Dawn should be in every fine, warm *Cypripedium* Collection.

VARIETY	PRICE
ALBION (niveum x Astarte)	\$30.00
A dainty, pure white Cypripedium with greenish aurora at the base of the dorsal; faintly spotted.	
ASTARTE (insigne v. Sanderae x Psyche)	\$25.00
Both this and Chastity compare favorably with the most modern whites for size, form and all-around quality.	
CHASTITY (Astarte x Nell Gwynne)	\$50.00
One of the best of all whites. Of good size, exceedingly pleasing form, the flowers when first open are pale greenish-cream but as they mature this turns to creamy-white. It is strong growing and definitely one of the best.	
CURTISII SANDERAE (Species)	\$12.50
This beautiful species is worth growing for the foliage alone which is richly mottled in shades of green and when well grown is remarkably attractive. The whole flower is a delicate shade of soft green with a white dorsal, lined with green.	
F. C. PUDDLE (Actaeus Bianca x Astarte)	\$50.00
Excellent shape and texture, glistening white except for tinting of pale yellow on the staminode. Rounded, niveum type lip.	
F. C. PUDDLE, F.C.C.-R.H.S.	\$75.00
GOWERIANUM GRATRIXIAE (Curtisii x Lawrenceanum)	\$15.00
Pure white dorsal veined with bright green. Pouch and petals of slightly lighter green shade.	
GOWERIANUM PURPURESCENS	\$30.00
A superior form.	
LAWRENCEANUM (Species)	\$10.00
This dorsal is apple green at base changing to white and veined in purple. The lip is a claret brown while the petals are a lighter shade with a faint green mixed in.	
MAUDIAE COLORATUM TYPE (Parentage Unknown)	\$ 7.50
The pouch and petals are of deep claret red. The dorsal has a white background with deep claret red markings. Beautiful variegated foliage.	
MAUDIAE variety MAGNIFICUM, F.C.C.-R.H.S. (Callosum, Sanderae x. Lawrenceanum, Hyeatum)	\$15.00
Probably the most profitable cut flower Cypripedium, this green and white hybrid blooms throughout the entire year. Beautifully mottled foliage.	
ROSY DAWN (Gwen Hannen album x Astarte)	\$35.00
Amplly proportioned and well balanced, this hybrid is porcelain white, exquisitely tinged with blush. There are rose specklings at the base of the sepals and petals and the lip is white with a pink flush.	
ROSY DAWN, A.M.-R.H.S.	\$50.00
A beautiful form.	



CYMBIDIUM MADELEINE
(insigne Sanderiix Pauwelsii)

CYMBIDIUM ZEBRA
(Dryad x insigne)



CYMBIDIUM PERI
(Pauwelsii x President Wilson)

Composed of four green - three dormant
bulbs. Gold sepals and petals - Red
"V" in lip.

CYMBIDIUM DORCHESTER
(Alexanderi x Tityus)

Composed of two green - two
dormant bulbs. White to Egg-
Shell - Red Lip.

Cymbidium Cultural Notes

Orchids out-of-doors

Cymbidiums and many varieties of Cyprapediums will grow well in the open in many states in the union side by side and under such a wide range of conditions as to have caused wide dissension among amateurs and some professionals as well on the subject of ideal conditions for them. However it is generally considered now that if one follows more or less a few standard rules and leaves the fine points to those who enjoy detail, successful culture is assured. First of all, provide a light, open soil mixture so that the water will drain freely. This may be accomplished by working in a mixture of leaf mold, Swedish, Dutch or German peat and old shredded osmundine. Be careful with sand because some soils will "cake" if sand is added to them. If grown under lath then the average light intensity should be about 1,500 to 1,800 foot candles or shade suitable for ferns, camellias, azaleas, etc. The reason for this is that as the sun moves, the shade of the laths will move along the leaves providing periods of lower light intensity of about the correct degree. If your growing medium is well drained the plants will take water about once a week in summertime. A good way to determine the degree of dryness that should be reached before watering is to take a handful of soil from just beneath the surface and squeeze it. If it forms a cake the soil is too moist for watering. If it does not form a cake then it is time to water. In areas where freezing conditions are encountered during the winter months Cymbidiums may be grown by a combination glass house and out-of-doors culture. In this case it is better to employ pot culture and the same mixture recommended above or a bit more fibrous. In summer grow them under lath or trees that will afford the above light intensity and bring them inside when the outdoor temperature reaches the low forties at night. Don't raise the night temperature rapidly after bringing the plants under glass. Since the shading applied to the glass is more constant than lath, a light intensity of 1,000 to 1,500 foot candles would be the equivalent of the above recommendation for lath culture. The night temperature recommended for Cyprapediums is ideal for Cymbidiums. If placed in the same house with Cattleyas or Cyprapediums give them the position with the greatest amount of light.

Prices quoted are per green bulb. Dry bulbs are charged at half the green bulb price. Most flowering size plants will contain from four to six bulbs.



CYMBIDIUM BACK BULB

3-4 Years from flowering
(Priced as a single bulb on page 28)



CYMBIDIUM INTERMEDIATE GROWTH

2-3 Years from flowering

In most varieties we can offer plants containing three or four small bulbs. Inquiries are invited. Please state the varieties which are desired and we will quote accordingly, giving size and description of each plant.

CYMBIDIUM BACK BULBS

(Illustrated on page 27)

Well established back bulbs from quality plants as shown on page 27 will grow to mature plants and will flower in three or four years. Each plant of a given variety, although coming from the same seed pod, develops its own Color Combinations, Shape and Vigor. Color, Shape and Vigor determine the value of every plant in a given variety. The prices indicated reflect this difference in value.

VARIETY	GENERAL COLOR CLASSIFICATION	PRICE PER BULB
ADASTRA X NERISSA VAR. PERIDOT ...	Green	\$ 5.00-25.00
ANNA (Mary Sander x Alexanderi albens)	Alabaster White	10.00-50.00
ARGONAUT (Argent x Alexanderi album)	Pink	10.00-20.00
BLUE SMOKE (Lowianum, Pitts var. x Mirabel).....	Green Tones, Red Lip	10.00-65.00
BLUSH (Magali Sander x Alexanderi W Birt.).....	Blush to White	10.00-75.00
BODMIN MOOR (Alexanderi W birt. x Erica Sander)	White, Cream-Yellow	15.00-75.00
CHOUGH (Alexanderi x Virgo).....	Egg-Shell - Pale Yellow .	40.00-100.00
CLARE ARMSTRONG(Alexanderi x Mirella)	Yellows and Greens	20.00-60.00
CYGNUS (Alexanderi x Coningsbyanum) ..	Pink Tones	16.00-60.00
DORCHESTER (Alexanderi x Tityus)..	Pastel Yellow - White ...	12.00-60.00
FALCON (Alexanderi x President Wilson)	Pink to Yellow Tones	10.00
FLORYI (eburneo-Lowianum x grandiflorum)	Yellow and Green	4.00
ISTAMBUL (Dante x Ceres).....	Reddish Bronze	4.00
JANETTE (Alexanderi W birt. x Joy Sander)	Pink	20.00-60.00
PERI (Pauwelsii x President Wilson) ..	Rich Golden Bronze with .	4.00-80.00
PERI VAR. BEEFEATER (Pauwelsii x President Wilson)	Maroon "V" on Lip	
	" " "	150.00
* PERI VAR. CHINO	" " "	40.00
* PERI VAR. GREEN HORNET.....	" " "	75.00
* PERI VAR. LA PALOMA	" " "	25.00
* PERI VAR. THE KING	" " "	150.00
PRINCESS ELIZABETH (Alexanderi x Princesse Astrid)	Pink Tones	15.00-75.00
ROMEO (Pearl Mag. x grandiflorum) ...	Russet Pink-Pale Wine ...	4.00-15.00
SANTA BARBARA(Charm x Alexanderi W birt)	Blush to Pink	10.00-75.00
SICILY (Baldur x Grand Monarch) ..	Chartreuse to Deep Yellow	6.00-50.00
WATER RAIL (Pixie x Alexanderi W birt).	Pink	20.00-60.00

* Note: Same parentage as PERI VAR. BEEFEATER

CYMBIDIUMS

MATURE PLANTS

GARDEN VARIETIES

Plants of the following varieties are available in two sizes - 6 - 10 bulbs
 \$7.50, 11 - 15 bulbs \$10.00

BEATRICE Buff-Rust	MADELEINE Pink Tones
CAPELLA Buff-Pink	MARGARET. . . . Pink - Lavender Rose
CERES. Pink to Reddish Bronze	MERLIN Pinks and Yellows
CURLEW Yellow to Buff	MOIRA Pinkish yellow
DOREEN Buff	NANCY Deep Buff Yellows
EAGLE. Pink to White & Yellow	PAPILLON. . . . Brown with Red Lip
GUILLEMOT. . . . Alabaster Claret	PAUWELSII . . . Deep Yellow to Buff
JESSICA. Pink, Green to Yellow	RACHEL. Pink to Claret
JOYEUX Pink to Maroon	ROSALITA. . . . Pink
JOYFUL Deep Pink to Maroon	SOLOM Pink Tones
LOWIANUM Yellow-Green	SYLVIA. Light to Deep Pink
ZEBRA Lavender Pink Tones	

Plants of the following varieties are available in two sizes - 5 - 7 bulbs
 \$20.00, 8 - 12 bulbs \$35.00

ARGENTEUM. . . . Pinks and Yellows	JOY SANDER. . . . Usually Bronze-
BITTERN. Pink Shades	Maroon
BRITA. Rust	KITTIWAKE Blush to White
BUTTERFLY,	LOWIANUM
W' BIRT. var.. . Yellow Tones	CONCOLOR Green
CALYROSE Rich Pink Tones	MAGOG Rust Yellow
CERES X CETUS. Pink - Rose Tones	NIGRETTA. Dark Colors
CUPIDO Variable	PALERMO Pink
DELPHINE Brown, Red Lip	PAMELA. Pink
DORIS AUREA. . . Brown Tones	PENELOPE. . . . Yellow Green
DOTTEREL Buff Rust	PLOVER. Green Yellow
DRYAD Rich Pinks	REDSTART. Pink
ENCHANTRESS. . . Green	REGULUS Amber Tones
ERICA SANDER . . Yellow to Green	RESEDA. Pink
EUNICE DANE. . . Alabaster Pink	SCHLEGELII. . . . Pink
EYRIE. Pink to Brown Tones	SOLENT. Buff Pink
FLORYI Chartreuse	VERA. Pink
FRIVOLITY. . . . Amber Brown Tones	VESTA Light Pink
GOLDILOCKS . . . Old Gold	VESTA ALBUM . . White to Blush
GOLD MOHUR . . . Yellow, Claret Tinge	WARBLER, W' BIRT
GRANDIFLORUM . . Yellowish Green	x CERES,
HUGH EVANS . . . Greenish Gold	F. J. HANBURY. Reddish Bronze
IVORY WINGS. . . Pale Yellow Pink	WHEATEAR. . . . Yellow to Pink
	YELLOW HAMMER . Yellow Tones



CYMBIDIUM BODMIN MOOR
(Alexanderi W birt. x Erica Sander)

CYMBIDIUMS

MATURE PLANTS

COMMERCIAL VARIETIES

Mature Cymbidium plants are composed of green bulbs and bulbs which have been green, but are now dormant. The bulb prices noted below are for each green bulb; dormant bulbs as part of a mature plant are priced at one-half the green bulb price. Plants offered here contain from three to fifteen bulbs each. Mature flowering size plants are generally composed of four green bulbs or their equivalent. Each plant of a given variety, although coming from the same seed pod, develops its own Color Combinations, Shape and Vigor. Color, Shape and Vigor determine the value of every plant in a given variety. The prices indicated reflect this difference in value. When ordering these plants, please state the approximate size plant you desire. We will do our best to fill your order accordingly.

VARIETY	COLOR CLASSIFICATION	PRICE PER BULB
ADELE SANDER (Alexanderi x St Alban).....	Yellow Tones.....	\$15.00 to \$50.00
ALBANIA (Albanense x Alexanderi).....	Pink.....	15.00 - 50.00
ANNA (Mary Sander x Alexanderi albens).....	Pastel Pink.....	15.00 - 50.00
ANTHONY EVANS (Bodmin Moor x Alexanderi W' birt).....	Yellow.....	15.00 - 50.00
BLUE SMOKE (Lowianum, Pitts var. x Mirabel)...	Green.....	10.00 - 65.00
BLUSH (Magali Sander x Alexanderi W' birt)....	Blush to White.....	10.00 - 65.00
BODMIN MOOR (Alexanderi W' birt x Erica Sander)	Pastel to Near White..	15.00 - 75.00
BRUGES GEM (Ralph Sander x Pauwelsii).....	Yellow and Rust Tones.	7.50 - 10.00
BRUGES RUBY (Regina x Pauwelsii, Compte de Hemptine).....	Golden Rust.....	10.00 - 15.00
CHARM X ERYTHROSTYLUM	Pink.....	10.00 - 50.00
CHOUGH (Alexanderi x Virgo).....	Egg-Shell to Pale Yellow...	40.00 - 100.00
CLARE ARMSTRONG (Alexanderi x Mirella).....	Egg-Shell to yellow and Green...	20.00 - 60.00
CYGNUS (Alexanderi x Coningsbryanum).....	Deep Pink Shades.....	16.00 - 60.00
DORCHESTER (Alexanderi x Tityus).....	Egg-Shell to White....	12.00 - 60.00
ILKLEY MOOR (Bodmin Moor x Pauwelsii, Compte de Hemptine)..<	Gold to Crimson Tones.	12.00 - 60.00
IRENE GIBBS (Swallow x Bodmin Moor var. F. K. Sander).....	Yellow-Green.....	7.50 - 40.00
JANETTE (Alexanderi W' birt x Joy Sander).....	Pink.....	20.00 - 60.00
JUNGFRAU (Alexanderi x Eagle).....	Pastel to Near White..	20.00 - 60.00
MIRANDA (Alexanderi x Lowio-grandiflorum).....	Green.....	15.00 - 60.00
PERI (Pauwelsii x President Wilson).....	Golden Bronze, Maroon 'V' lip.....	20.00 - 60.00
PERI VAR. BEEFEATER " " " "		150.00
PERI VAR. CHINO " " " "		40.00
PERI VAR. GREEN HORNET " " " "		75.00
PERI VAR. LA PALOMA " " " "		25.00
PERI VAR. THE KING " " " "		150.00
PRINCESS ELIZABETH (Alexanderi x Princess Astrid).....	Pink Tones.....	15.00 - 80.00
ROSANNA (Alexanderi x Kittiwake).....	Pink Tones, Rich Lip..	25.00 - 75.00
SANTA BARBARA (Charm x Alexanderi W' birt).....	Blush to Pink.....	10.00 - 75.00
SWALLOW (Alexanderi x Pauwelsii).....	Yellow to Amber, Deep Lip....	25.00 - 75.00
WATER RAIL (Pixie x Alexanderi W' birt).....	Pink.....	30.00 - 60.00
WEST PARK (Alexanderi W' birt x Landrail).....	Pink.....	25.00 - 65.00

ANTHURIUM

ANDREANUM FERRIERENSE

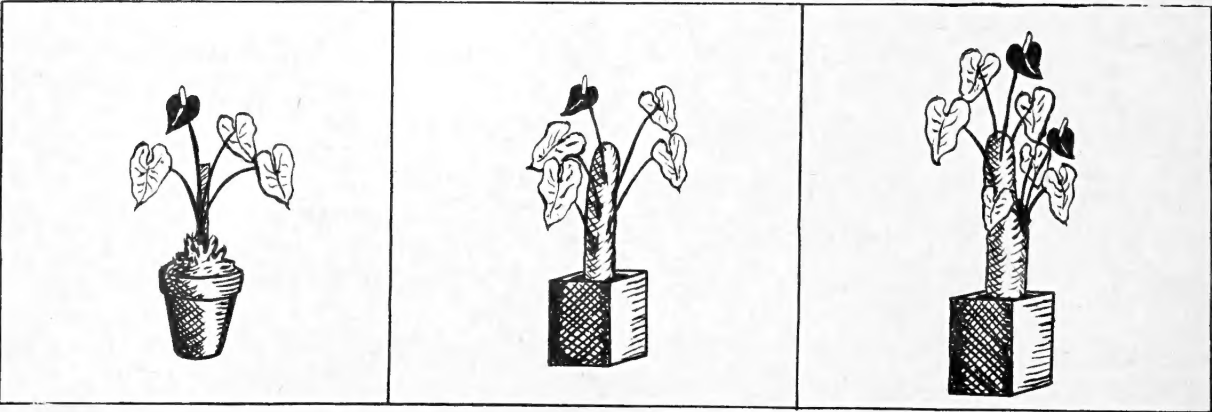
CORAL PINK

The Andreanum type of Anthurium is a tall growing, large leaved variety, giving, when fully mature, large flowers on long erect stems. The flowers last to perfection for a long time and if not cut, the plants are perpetually in bloom. As one flower fades, another takes its place; so it will be seen that Anthuriums are always in crop. When cut, the flower of the Andreanum type lasts from four to six weeks.

Fairly heavy shading, as for ferns, about suits Anthuriums; and for soil requirements, almost anything which is chiefly humus will be found to give good results. Where Orchids are grown, the waste peat from the repotting can be used for Anthuriums; otherwise, a mixture of Danish peat, leaf mold and green sheet moss will prove ideal. In such a soil it is almost impossible to over-water and as the pots become full of root, the plants will be greatly benefited by frequent applications of any commercial fertilizer in weak solution, say, every two or three weeks. The old rule "little and often" is best for Anthuriums also.

They need shade, high humidity (at least 75% -80%) and fairly high temperature; consequently ventilation should be held down to a minimum. They grow in lower temperatures, but a minimum of 60° to 65° we find most desirable for best results.

Where conditions are as described, Anthuriums are remarkably free from insect pests, thrips being the likeliest to be encountered. These cause disfigurement of the flowers, but they can be kept absolutely under control by occasional sprayings with DDT.



Overall Height 30 - 36"
Includes Container.
3 leaves 1 flower

\$7.50

Overall Height 36 - 48"
Includes Container.
4 leaves 1 flower

\$15.00

Overall Height 48 - 60"
Includes Container.
2 heads, 6 leaves, 2 flowers

\$22.50

CONDITIONS of SALE

- * **P**ayment should accompany order unless credit has been established.
- * **O**rders are packed without charge except in orders where special precaution must be taken to protect spikes, buds and/or blooms, and for Large Anthuriums ... In these cases proportionate charges will be made.
- * **P**lants are packed securely in corrugated cardboard cartons, and upon arrival should be examined and signed for. If there is any damage, notify the Express Company, have their agent see the damage and file a claim with him.
- * **A**ll shipments will go out via Railway Express, express charges collect, unless we are instructed otherwise. Air Express is recommended for small domestic orders. Please state your preference as to whether you wish your order shipped in or out of pot. Cymbidium plants will be balled in burlap or bare root wrapped in wet moss . . . Please state your preference.
- * **F**oreign shipments will be shipped via Air Express out of clay pots unless we are instructed otherwise. Shipping Charges must be Prepaid and should accompany the order. On the authority of your local plant quarantine station, please advise us if there are any unusual requirements pertaining to the shipment of plants into your territory or country.
- * **H**awaiian purchasers are requested to include with their order a copy of their import permit. This permit may be obtained from the Board of Commissioners of Agriculture and Forestry, Honolulu.
- * Sales Tax will be added to orders being shipped to residents of California unless we have on file a signed State Resale Certificate.
- * This catalog cancels all previous lists and special quotations.
- * Plants are offered strictly subject to prior sale.
- * Prices subject to change without notice.
- * It will be readily understood that it is impossible to keep Orchid Plants stationary with regard to pot size while they are cataloged. Potting must be done as it becomes necessary. Because of this we shall substitute sizes of plants in filling orders unless we are specifically instructed not to do so. We suggest your making a second choice in the event we are unable to supply your first choice.

